Digitalradio DR 300

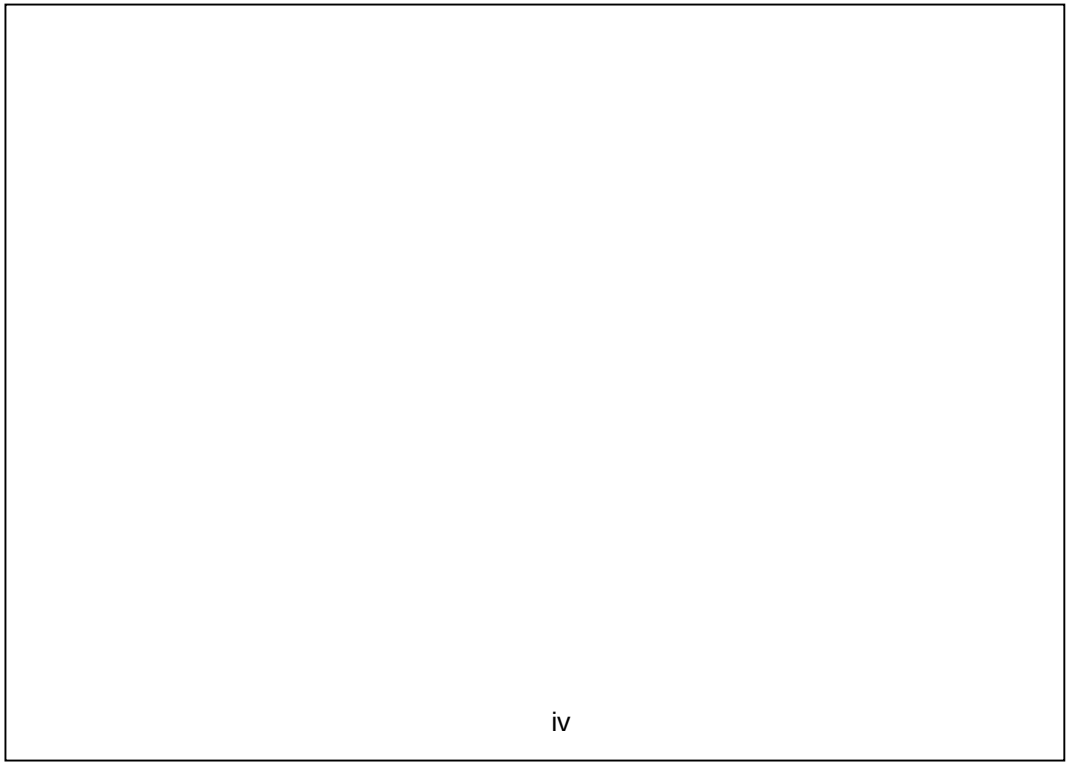
User Manual

ALBRECHT

Safety Instructions

1. Always connect the device with the originally provided power supply. Please do not use other similar objects. Meanwhile, the original power supply can only be used for this product. Please do not apply it to other electronic products.
2. Please do not expose the device to environments with the following conditions: rapid change of temperature, high temperature (e.g., direct sunlight), extremely low temperature, high voltage, electro-static interference, dust, and moisture; please also keep the device away from being splashed with water or dipped in any kind of liquid.
3. Please keep the device away from electronic items that can cause electromagnetic interference, e.g., television sets, personal computers, motors, motorized vehicles, scanners, video disc players, fax machines, hair dryers, and so on.
4. Keep the device away from strong impact or dropping.
5. Please do not clean the device with corrosive or volatile liquids. Only clean with a soft cloth or paper tissue if necessary.

6. Please do not use pens or sharp objects to press the enclosure of the device or the display panel to avoid damage or scratching.
7. If the device is out of order, please send it back to the retail store for service by authorized personnel. Please do not disassemble the device by yourself. Any disassembly of the device by unauthorized personnel will void the warranty.



Albrecht DAB Handheld Receiver User Manual DR300

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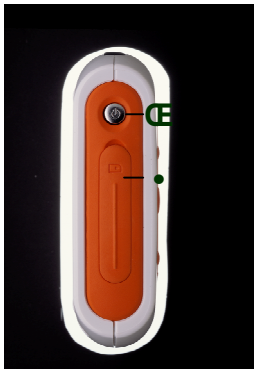
Features

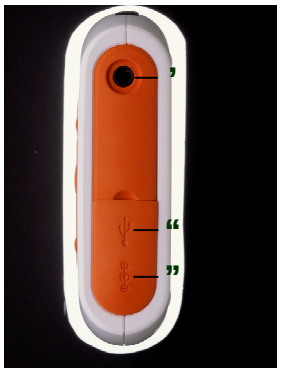
This product has a portable design with a compact, lightweight, and sleek appearance. It integrates digital audio broadcasting (DAB), FM radio and MP3 playback functions into a single device and provides the services of receiving digital audio broadcasting and FM radio.

Package Contents

1. Main device
2. Stereo earphones
3. Adapter
4. Adapter plug
5. User manual
6. USB cable
7. Protective pouch

Product Diagram



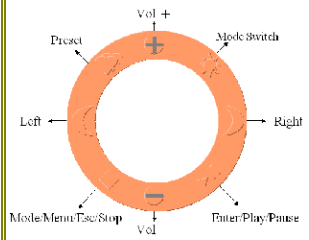


Œ Power on/off key
• Charge indicator
’ Headphone jack

• SD/MMC card slot
• OLED display
“ USB port

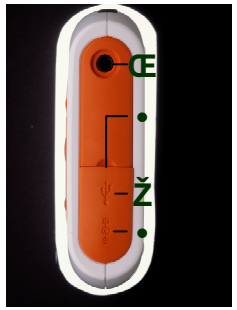
Ž Neck strap hook
‘ Annular function keys
” Power supply jack

Annular Function Keys

Function Panel	Keys	Function
	1. **Vol+**, **Vol-**	Adjust volume level; mute
	2. **Left**, **Right**	Change channels; select songs
	3. ♥ **Preset**	Store preset channels; repeat type setting for MP3 playback; sound effect setting for MP3 playback
	4. ☼ **Mode Switch**	Select modes; FM transmitter (supported only on D110 model in DAB mode)
	5. □	**Mode / Menu / Esc / Stop**
	6. ▷II	**Enter / Play / Pause**

N The following sections will use the terminologies: “Hold” and “Press”.
“Hold” means a keystroke which lasts more than 2 seconds then release;
“Press” means a keystroke which lasts less than 2 seconds.

Getting Started



Œ Earphone jack

- Open the cover to see items Ž •

Ž USB port for PC connection

- Power supply jack

1. Charge: plug the power supply into the electrical outlet in your house, and then plug the round end of the power supply into the power supply jack on the device, the built-in battery will be automatically charged.

2. When the device is unpacked for the first time, please charge the battery for at least 4 hours. Only after the green light of the charge indicator is on, the device can be operated normally. Afterwards, the complete battery charging takes 3-4 hours.

N *Once the green light is on, it will be automatically turn off after 5 hours. This is designed for the protection purposes. Please enjoy worry-free use.*

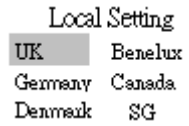
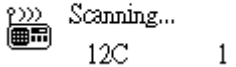
3. The charge indicator on the front cover shows the status of charging. Meantime icon displays.

Slow charging under low battery condition	Charging	Charge Completed
Both Red and Green lights are on	Red light is on	Red light is off and Green light is on

4. Power on the device: Hold **Power** key, the display will be turned on while the charge indicator is off.
5. During the first time usage or when there is no preset channel, the system will automatically scan available channels and store the channel information.

6. In DAB and FM modes, the earphones should always be plugged in for correctly receiving the signals because the earphone set is a related part of the antenna. For the playback of MP3 music, please prepare SD/MMC cards in advance and insert the card into the card slot.
7. Power off the device: Hold **Power** key.

Power On Firstly or Reset

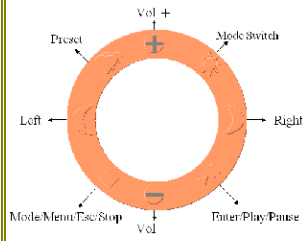
Display	Keystroke	Function
	N Power On: Hold **Power** N Restore the default settings: Setting → System default → Reset	After power on firstly or power on in the DAB mode after resetting your device, the Local Setting menu displays. Shown as the lower left figure.
	Œ Press **Left/Right** to move left/right and select required item • Press ▷II **Enter** to confirm	Select the proper area according to your location. The default is UK.
		During the first time usage, or when there is no preset channel in the memory, the system will automatically scan available channels.

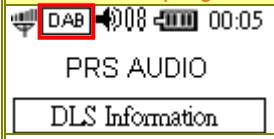
Notes

1. Strongly recommend: please use the originally provided earphones to avoid bad signal receiving quality.
2. If the battery is charged through the USB cable connected to PC, it will take more time to complete charge.
3. If the charge is complete, the power supply can be unplugged for portable operations. Please recharge the battery regularly to maintain smooth operations.
4. By viewing the battery level indicator shown on the display, you can check the battery power usage.
5. The power consumption ranking is (from low to high): 1. MP3, 2. DAB, 3. FM.
6. For the next power-on, the previous operation Mode before the last power-off will be retained without the need of being reset again.
7. When the signal receiving quality is bad, the device will be humming with noise. With regard to the ordinary idea of receiving radio programs, we recommend you to change the channel setting or relocate the device at place with better signal receiving quality before using it.

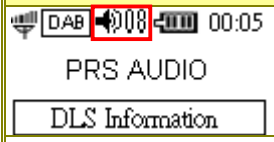
DAB Mode

DAB Main Menu	Explanation of Symbols	Keystroke
	1. Signal receiving quality of the antenna	X
	2. Currently in DAB Mode	Press ☼ **Mode Switch**
	3. The number next to the speaker symbol shows the volume level.	N Press **Vol+/Vol-**
	MUTE will be shown while the device is muted.	N Hold **Vol-**
	4. Battery level indicator	X
	5. Current time	X
	6. Channel name	**Left/Right** to select channels
	7. Information of current channel	X



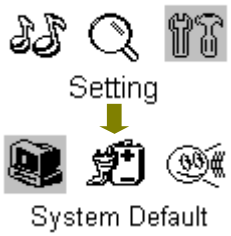
Display	Keystroke	Function
Receive DAB programs		
	Hold **Power**	After power-on, make sure the upper-left of the display shows DAB before **you can receive DAB programs**.
	Press ☼ **Mode Switch**	**For quick selection of DAB mode**, receives DAB programs.
Change DAB channel		
	Press **Left/Right** • Release the key to confirm	Scan forward or backward to **manually search DAB channels**
	Hold ▷II **Enter** • Press ▷II **Enter** to confirm	**Quick browse the channels** by playing each channel for several seconds. Once your favorite channel is found, you can press ▷II to continue listening to the channel.

Display	Keystroke	Function
Store channel ♥ Preset		
Setting Preset No. 01 empty 02 empty 03 empty 04 empty 05 empty	Œ Hold ♥ **Preset** • Press **Vol+** or **Vol-** to move up/down Ž Press ▷II **Enter** to confirm	**Add the current channel into the channel-preset list**. Default is the first Empty item.
Preset List 01 CBS1 02 empty 03 empty 04 empty 05 empty	Œ Press ♥ **Preset** • Press **Vol+** or **Vol-** to move up/down and select required channels Ž Press ▷II **Enter** to confirm	**Select channels from the channel Preset list**.

Display	Keystroke	Function
Vol+ and Vol- related functions		
	Press **Vol+** or **Vol-**	**Adjust volume level**
	Hold **Vol-**	**Mute is set**
	Press **Vol+** or **Vol-**	**Mute is cancelled**

Display	Keystroke	Function
DAB Setting		
 Mode Select	Œ Press ☐ **Menu** • Press **Left/Right** to move left/right and select required items Ž Press ▷II **Enter** to confirm	**System setting main menu** For accidental keystrokes or after setting is completed, you can press ☐ **Esc** to cancel the current operation.
DAB FM MP3	Œ Continue from above, press ▷II to select Mode Select • Press **Left/Right** to move left/right and select required mode Ž Press ▷II **Enter** to confirm	**Select DAB, FM or MP3 Mode**

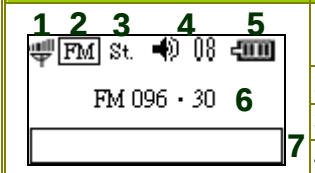
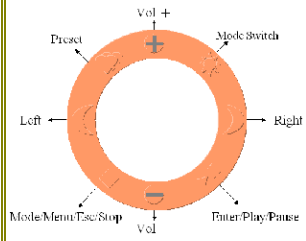
Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Scan type • Press **Left/Right** to move left/right and select required scan type Ž Press ▷II **Enter** to confirm	**Scan** Full Scan, Local Scan and Manual Scan are provided 1. If Full Scan or Local Scan is selected, the channel-preset list will be erased every time the scan operation performs. 2. Manual Scan: manually scan the channels, one page for each channel frequency.
	Œ Select Local Scan • Press **Left/Right** to move left/right and select required item Ž Press ▷II **Enter** to confirm	**Local Scan** Select the proper area according to your location.

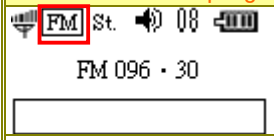
Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Setting • Press **Left/Right** to move left/right and select required item Ž Press ▷II **Enter** to confirm	**Setting** 1. System Default: restore the default settings. 2. Power Save: while activating the Power Save function; even if the display is dark, you can still listen to the channel programs. Press any key to turn on the display. 3. Language Type: English, French, Danish, German and Chinese. Default is English.

Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Language Type • Press **Left/Right** to move left/right and select required language type Ž Press ▷II **Enter** to confirm	**Select Language Type**

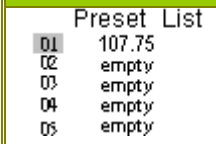
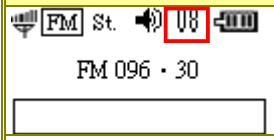
Display	Keystroke	Function
DAB channel information and Clock		
08:30:55	Press ▷II	At the bottom in DAB main menu, **the information of current channel** is shown. Press the key repeatedly for the next pages. There are three pages of information. The last keystroke will bring an **electronic clock** into the display. Press any key to return to the main menu.

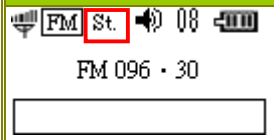
FM Mode

FM Main Menu	Explanation of Symbols	Keystroke
	1. Signal receiving quality of the antenna	X
	2. Currently in FM Mode	Press ☼ **Mode Switch**
	3. Stereo or Mono status	N Hold **Vol+**
	4. The number next to the speaker symbol shows the volume level.	N Press **Vol+/Vol-**
	MUTE will be shown while the device is muted.	N Hold **Vol-**
	5. Battery level indicator	X
	6. Channel name	**Left/Right** to select channels
	7. Information of current channel	X

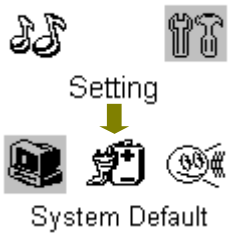
Display	Keystroke	Function
Receive FM radio programs		
	Hold **Power**	After power-on, make sure the upper-left corner of the display shows FM so **you can receive FM radio programs**.
	Press ☼ **Mode Switch**	**For quick selection of FM mode**, receives FM radio programs.
Change FM radio channel		
	Œ Press **Left/Right** • Release the key to confirm	Scan forward or backward to **manually search FM radio channels**
	Œ Hold **Left/Right** • It will automatically stop searching once a channel is found.	**Quick scan channels**

Display	Keystroke	Function
Quick browse channels		
	Œ Hold ▷II **Enter** • Press ▷II **Enter** to confirm	**Quick browse the channels** by playing each channel for several seconds. Once your favorite channel is found, you can press ▷II to continue listening to the channel.
Store channel ♥ Preset		
Setting Preset No. 01 empty 02 empty 03 empty 04 empty 05 empty	Œ Hold ♥ **Preset** • Press **Vol+** or **Vol-** to move up/down Ž Press ▷II **Enter** to confirm	**Add the current channel into the channel-preset list**. Default is the first Empty item.

Display	Keystroke	Function
	Œ Press ♥ **Preset** • Press **Vol+** or **Vol-** to move up/down and select required channels. Ž Press ▷II **Enter** to confirm	Select channels from **the channel Preset list**.
Vol+ and Vol- related functions		
	Press **Vol+** or **Vol-**	**Adjust volume level**
	Hold **Vol-**	**Mute is set**
	Press **Vol+** or **Vol-**	**Mute is cancelled**

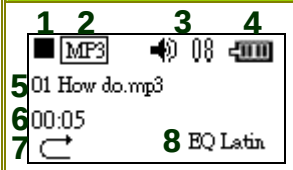
Display	Keystroke	Function
	Hold **Vol+**	**Select Stereo and Mono modes.** St. or Mono appears during adjusting. 1. If Stereo mode is selected, the system will decide to choose the suitable mode depending on the signal receiving quality. It is possible to see random hopping between Stereo mode and Mono mode. 2. But if Mono mode is selected, it will always remain in the Mono state.

Display	Keystroke	Function
FM Setting		
 Mode Select	Œ Press ☐ **Menu** • Press **Left/Right** to move left/right and select required items Ž Press ▷II **Enter** to confirm	**System setting main menu** For accidental keystrokes or after setting is completed, you can press ☐ **Esc** to cancel the current operation.
DAB FM MP3	Œ Continue from above, press ▷II to select Mode Select • Press Left/Right to move left/right and select required mode Ž Press ▷II **Enter** to confirm	**Select DAB, FM or MP3 Mode**

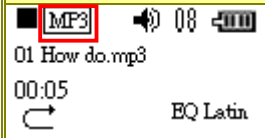
Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Setting • Press **Left/Right** to move left/right and select required item Ž Press ▷II **Enter** to confirm	**Setting** 1. System Default: restore the default settings. 2. Power Save: while activating the Power Save function; even if the display is dark, you can still listen to the channel programs. Press any key to turn on the display. 3. Language Type: English, French, Danish, German and Chinese. Default is English.

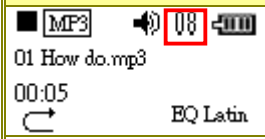
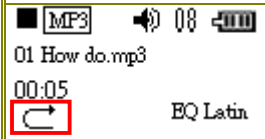
Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Language Type • Press **Left/Right** to move left/right and select required language type Ž Press ▷II **Enter** to confirm	**Select Language Type**

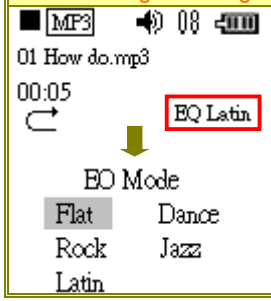
MP3 Mode

MP3 Main Menu	Explanation of Symbols	Keystroke
	1. ¢ Stop (Current status)	N ☐ **Stop**
	u Play ▮▮Pause	N ▷▮▮ **Play/Pause/ Continue**
	2. Currently in MP3 mode	Press ☼ **Mode Switch**
	3. The number next to the speaker symbol shows the volume level.	N Press **Vol+/Vol-**
	MUTE displays while the device is muted.	N Hold **Vol-**
	4. Battery level indicator	X
	5. Name and information of the current song	**(Left / Right)** to select songs
	6. Time elapsed for playback	X
	7. Repeat type for playback	Press ♥ **Preset**
	8. Current sound effect	Hold ♥ **Preset**

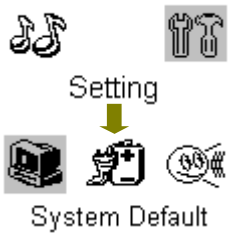
SD/MMC card slot: open the cover; insert the SD/MMC card with the metal electrodes side to the rear direction.

Display	Keystroke	Function
Listen to MP3 music		
	Hold **Power**	After power-on, make sure the upper-left of the display shows MP3. Please prepare your own SD/MMC cards and insert the card into the card slot.
	Press ☼ **Mode Switch**	**For quick selection of MP3 mode**, plays MP3 music.
	Press ▷II **Play**	Play the music
	Press ▷II **Pause**	Pause the playback/continue the playback
	Press □ **Stop**	Stop the playback

Display	Keystroke	Function
Vol+ and Vol- related functions		
	Press **Vol+** or **Vol-**	**Adjust volume level**
	Hold **Vol-**	**Mute is set**
	Press **Vol+** or **Vol-**	**Mute is cancelled**
Select songs related functions		
	Press **Left/Right**	**Select songs**
	Press **♥ Preset**	Select repeat type (normal) (repeat all) (repeat one) SHUF (Shuffle)

Display	Keystroke	Function
Sound Stage settings		
	Œ Hold ♥ **Preset** • Press **Left/Right** to move left/right and select an item Ž Press ▷II **Enter** to confirm	Provide FLAT, ROCK, LATIN, DANCE, and JAZZ

Display	Keystroke	Function
MP3 Setting		
	Œ Press ☐ **Menu** • Press **Left/Right** to move left/right and select required items Ž Press ▷II **Enter** to confirm	**System setting main menu** You have to STOP the music playback before pressing ☐ **Menu** to enter the system setting main menu. N For accidental keystrokes or after setting is completed, you can press ☐ **Esc** to cancel the current operation.
DAB FM MP3	Œ Continue from above, press ▷II to select Mode Select • Press **Left/Right** to move left/right and select required mode Ž Press ▷II **Enter** to confirm	**Select DAB, FM or MP3 Mode**

Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Setting • Press **Left/Right** to move left/right and select required item Ž Press ▷II **Enter** to confirm	**Setting** 1. System Default: restore the default settings. 2. Power Save: while activating the Power Save function; even if the display is dark, you can still listen to the channel programs. Press any key to turn on the display. 3. Language Type: English, French, Danish, German and Chinese. Default is English.

Display	Keystroke	Function
	Œ Continue from above, press ▷II to select Language Type • Press **Left/Right** to move left/right and select required language type Ž Press ▷II **Enter** to confirm	**Select Language Type**

Function List

Functions or Keys	DAB	FM	MP3
Power			
Hold **Power**: power on/off	**ü**	**ü**	**ü**
Vol+ and Vol-			
Press **Vol+** or **Vol-**: adjust volume	**ü**	**ü**	**ü**
Hold **Vol-**: set MUTE	**ü**	**ü**	**ü**
Press **Vol+** or **Vol-**: cancel MUTE	**ü**	**ü**	**ü**
Hold **Vol+**	X	Select Stereo or Mono	X

Functions or Keys	DAB	FM	MP3
♥ Preset			
Press ♥ **Preset**	Select preset channels	Select preset channels	Repeat type
Hold ♥ **Preset**	Add into channel preset list	Add into channel preset list	Set sound effect
☼ Mode Switch			
Press ☼	Select modes	Select modes	Select modes
Hold ☼ (only supported on D110)	FM transmitter	X	X
Left and Right			
Press **Left/Right**	Manually scan channels	Manually scan channels	Select songs
Hold **Left/Right**	X	Automatically scan channels	X

Functions or Keys	DAB	FM	MP3
▷II Enter/Play/Pause			
Hold ▷II	Quick browse channels	Quick browse channels	X
Press ▷II	Channel information and clock	X	Play/Pause the music playback
□ Mode/Menu/Esc/Stop			
□ **Menu/Stop**	System setting main menu	System setting main menu	**s**System setting main menu **s**Stop the music playback
□ **Esc**: accidental keystroke, Complete setting, Cancel current operation	**ü**	**ü**	**ü**

Functions or Keys	DAB	FM	MP3
□ Menu (System Setting Menu)			
Operating Modes: DAB, FM, MP3	ü	ü	ü
System Default	ü	ü	ü
Power Save	ü	ü	ü
Language Type	ü	ü	ü
Scan	ü	X	X

Specifications

Items	Specifications
Display	With backlight, resolution: 128 x 64 pixels (W x H)
Power Supply	Built-in Li-ion rechargeable battery, Power Supply, USB cable for PC connection
Headphone Jack	3.5 mm
Frequency Range	Band III: 174 MHz ~ 240 MHz L-Band: 1452 MHz ~ 1492 MHz FM: 87.5 MHz ~ 108 MHz
Additional Features	Support MP3/WMA playback, Support SD/MMC card and flash drive
Bandwidth	1.536 MHz
Encoding	MUSICAM
Modulation Type	COFDM
Storage Capacity	20 presets of radio stations

Items	Specifications
Decoding Speed	384 kbps
Transfer Rate	640 kbps
Operating Temperature	0˚C~45˚C
Dimensions	88 x 62 x 23 mm (L x W x H)
Weight	116 g, including battery

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